PERCENTAGE LOG OF WATER-WELL CUTTINGS
UTAH GEOLOGICAL SURVEY

DWRi Appropriation #: 07-09-004-M00
Location: (D-36-22)24bac, San Juan County, Utah
Driller: Beeman Drilling Company

Well Owner: City of Blanding
Win #: 429919
Geologist: Janae Wallace, 1/7/08

Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
0	10	100	0	0	0	0	0	tan and gray clay, silt, and sand (20%) with gravel (80%) composed of sandstone, siltstone, chert, and igneous rock fragments; calcareous
10	20	0	0	0	0	0	0	no sample
20	30	100	0	0	0	0	0	tan and gray clay, silt, and sand (20%) with gravel (80%) composed of sandstone, siltstone, chert, and igneous rock fragments; calcareous
30	40	100	0	0	0	0	0	tan and gray clay, silt, and sand (50%) with gravel (50%) composed of sandstone, siltstone, chert, and igneous rock fragments; calcareous
40	50	10	90	0	0	0	0	gray and yellow-tan volcanic rock gravel and clay; calcareous; Dakota Sandstone?
50	60	tr	100	0	0	0	0	" trace gravel; trace black carbonaceous material
60	70	tr	90	0	0	10	0	gray and tan clay with fine- to coarse-grained sandstone and trace gravel; trace black carbonaceous material; calcareous

*unc=unconsolidated; ms=mudstone, sandy mudstone, and siltstone; ss=sandstone; ls=limestone

Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
70	80	tr	95	0	0	5	tr	gray and tan clay with fine- to coarse-grained sandstone and black carbonaceous material; trace gravel and limestone; calcareous
80	90	tr	90	0	5	5	tr	gray, tan, black, and trace yellow clay, shale, sandstone, and trace limestone and gravel; non calcareous
90	100	0	98	0	2	tr	tr	gray sandy mudstone and minor black shale and carbonaceous material; non calcareous
100	110	0	0	0	0	0	0	no sample
110	120	0	30	70	tr	tr	tr	tan with minor gray and black sand and clay with trace shale, mudstone, sandy mudstone, sandstone, and limestone; trace pyrite; non calcareous
120	130	0	10	90	0	0	0	yellow sand with clay; sand is fine to medium and dominantly consists of quartz with minor chert and limestone; non calcareous; Burro Canyon Formation?
130	140	0	0	100	0	0	0	yellow fine to medium sand which dominantly consists of quartz with minor feldspar and chert; non calcareous
140	150	0	0	100	0	0	0	“
150	160	0	0	100	0	0	0	“ yellow with trace green and pink
160	170	0	0	100	0	0	0	“

*unc=unconsolidated; ms=mudstone, sandy mudstone, and siltstone; ss=sandstone; ls=limestone

Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
170	180	0	0	100	tr	0	0	gray-yellow sand and trace green mudstone; sand is fine to medium and consists dominantly of quartz with feldspar and chert and trace pyrite; non calcareous
180	190	tr	0	90	tr	10	0	gray-tan with minor green and gray sand and sandstone with trace mudstone; sand is fine to medium and consists dominantly of quartz with feldspar and chert; chert and limestone gravel; non calcareous
190	200	tr	0	10	tr	90	0	“
200	210	tr	0	10	tr	90	0	“ gray, green, and yellow
210	220	tr	0	10	tr	90	0	“ gray and green; sand is fine to coarse
220	230	tr	0	0	50	50	0	green sandstone, mudstone, and sandy mudstone; sandstone is fine- to medium-grained and consists of quartz, feldspar, chert, and pyrite; slightly calcareous; contact between Burro Canyon and Brushy Basin Member of the Morrison Formation?
230	240	0	0	0	95	5	0	green, tan, and red mudstone and sandy mudstone with minor white sandstone; slightly calcareous
240	250	0	0	0	90	10	0	“
250	260	0	0	0	100	0	0	red-purple and green mudstone, sandy mudstone, and siltstone; slightly calcareous

*unc=unconsolidated; ms=mudstone, sandy mudstone, and siltstone; ss=sandstone; ls=limestone

Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
260	270	0	0	0	100	0	0	red-purple and green mudstone, sandy mudstone, and siltstone; slightly calcareous
270	280	0	0	0	100	0	0	" green and pink gray
280	290	0	0	0	100	tr	0	green mudstone, sandy mudstone, and siltstone; trace sandstone; non calcareous
290	300	0	0	0	100	tr	0	"
300	310	0	0	0	100	tr	0	"
310	320	0	0	0	100	tr	0	" green and tan; trace pyrite
320	330	0	0	0	100	tr	0	"
330	340	0	50	0	50	tr	0	tan and green clay with mudstone, sandy mudstone, and siltstone; trace sandstone; trace pyrite; non calcareous
340	350	0	50	0	50	tr	0	"
350	360	0	50	0	50	tr	0	"
360	370	0	90	0	10	tr	0	"
370	380	0	50	0	50	tr	0	"
380	390	0	0	0	100	tr	0	brown siltstone with pink, green, and tan mudstone and sandy mudstone; trace sandstone; trace pyrite; non calcareous
390	400	0	0	0	100	tr	0	"

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
400	410	0	0	0	100	tr	tr	brown, tan, and green, and pink sandy mudstone, mudstone, siltstone, and trace sandstone and limestone; slightly calcareous
410	420	0	0	0	100	tr	tr	“
420	430	0	0	0	100	tr	tr	“
430	440	0	0	0	100	tr	tr	“
440	450	0	0	0	100	tr	tr	“
450	460	0	0	0	100	0	tr	“ no sandstone
460	470	0	0	0	100	0	0	“ no limestone
470	480	0	0	0	100	0	0	“
480	490	0	0	0	100	0	0	“
490	500	0	0	0	98	2	0	brown, tan, pink, and green siltstone, sandy mudstone, and mudstone with minor sandstone; slightly calcareous
500	510	0	0	0	98	2	0	“ calcareous
510	520	0	0	90	5	5	0	tan-gray and green sand, sandstone, siltstone, and mudstone; sand is very fine to medium and consists of quartz, feldspar, and mica; trace pyrite and gypsum; calcareous
520	530	0	0	20	75	5	0	gray, tan, green, and pink sand, sandy mudstone, mudstone, siltstone, and sandstone; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
530	540	0	0	0	75	25	0	gray, tan, green, and pink sandy mudstone, mudstone, siltstone, and sandstone; calcareous
540	550	0	0	0	75	25	0	“
550	560	0	0	0	80	20	tr	gray, tan, green, and tan with trace red-brown sandy mudstone, mudstone, siltstone, and sandstone; trace limestone; calcareous
560	570	0	0	0	80	20	tr	“
570	580	0	0	0	80	20	tr	“
580	590	0	0	0	80	20	tr	“
590	600	0	0	0	80	20	tr	“
600	610	0	0	90	10	tr	0	gray, tan, green, and trace red sand, siltstone, and sandy mudstone; sand is fine to coarse and consists of quartz, feldspar, chert, and lithic fragments; trace limestone; calcareous
610	620	0	0	80	20	tr	0	“ sand is fine to medium
620	630	0	0	0	95	5	0	gray, tan, green, red-brown, and purple siltstone, sandstone, mudstone, and sandy mudstone; calcareous
630	640	0	0	0	10	90	0	brown, red, green, and gray sandstone and sandy mudstone; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
640	650	0	0	0	50	50	0	green, white, and red-brown fine-grained sandstone, mudstone, and sandy mudstone; calcareous
650	660	0	0	0	10	90	0	pink-gray and red fine-grained sandstone and mudstone; trace limestone; calcareous
660	670	0	0	0	25	75	0	red-brown and pink-white fine- to medium-grained quartz-rich sandstone with red mudstone; calcareous
670	680	0	0	0	25	75	0	“
680	690	0	0	0	50	50	tr	“ trace limestone
690	700	0	0	0	25	75	tr	“
700	710	0	0	0	50	50	0	green, pink, gray, white, and red fine-grained quartz-rich sandstone, sandy mudstone, and mudstone; calcareous
710	720	0	0	25	50	25	0	green, red, gray, white, and pink sand and sandstone with green and red mudstone; sand is fine to medium and is dominantly composed of quartz with minor feldspar and lithic fragments; calcareous
720	730	0	0	0	90	10	0	red with minor green and tan mudstone and very fine- to fine-grained sandstone; calcareous
730	740	0	0	0	50	50	0	red with minor green, white, and tan mudstone and fine-grained sandstone; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
740	750	0	0	90	5	5	0	green-gray sand with minor red and green mudstone and sandstone; sand is fine to medium and dominantly consists of quartz with minor feldspar and lithic fragments; calcareous; Salt Wash Member of the Morrison Formation?
750	760	0	0	0	50	50	0	red, green, and pink-gray sandstone, mudstone, and siltstone; sandstone is fine- to medium-grained and dominantly consists of quartz with minor feldspar and lithic fragments; calcareous
760	770	0	0	10	60	30	0	red, green, and pink-gray sand, sandstone, mudstone, and siltstone; sandstone is fine- to medium-grained and dominantly consists of quartz with minor feldspar and lithic fragments; calcareous
770	780	0	0	100	tr	tr	0	pink-gray sand with trace red and green mudstone and limestone; sand is fine to medium and dominantly consists of quartz with minor feldspar and lithic fragments; calcareous
780	790	0	0	90	10	0	0	pink-gray sand with red and green mudstone; sand is fine to medium and dominantly consists of quartz with minor feldspar and lithic fragments; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
790	800	0	0	10	40	50	0	red, green, and pink sand, sandstone, siltstone, and mudstone; sandstone is fine- to medium-grained and consists of quartz, feldspar, and lithic fragments; calcareous
800	810	0	0	0	95	5	tr	red and minor green and pink siltstone and sandstone; trace limestone; sandstone is fine-grained and dominantly consists of quartz with minor feldspar and lithic fragments; calcareous
810	820	0	0	25	50	25	0	red and pink sand, sandstone, siltstone, and mudstone; sandstone is fine-grained and consists dominantly of quartz with minor feldspar and lithic fragments; calcareous
820	830	0	0	0	90	10	tr	red and minor green and pink siltstone, sandy mudstone, mudstone, and minor sandstone; trace limestone; calcareous
830	840	0	0	10	50	40	tr	red and pink sand, sandstone, siltstone, and mudstone; sandstone is fine-grained and consists dominantly of quartz with minor feldspar and lithic fragments; trace pyrite; calcareous
840	850	0	0	0	50	50	0	red, pink, gray, and green sandstone and siltstone; sandstone is fine-grained and consists dominantly of quartz with feldspar and lithic fragments; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
850	860	0	0	0	80	20	tr	red with pink and trace green sandstone and siltstone; sandstone is fine-grained and consists dominantly of quartz with minor feldspar and lithic fragments; trace limestone; calcareous
860	870	0	0	0	80	20	tr	“
870	880	0	0	0	20	80	0	pink-white sandstone with minor red and trace green siltstone and mudstone; sandstone is fine-grained and consists dominantly of quartz with minor feldspar and lithic fragments; calcareous
880	890	0	0	0	20	80	0	“
890	900	0	0	100	tr	0	0	pink sand with trace siltstone; sand is fine to medium and consists dominantly of quartz with minor feldspar and lithic fragments; calcareous
900	910	0	0	80	10	10	0	pink sand and sandstone with red and green fine-grained siltstone and mudstone; sand is fine to medium and consists dominantly of quartz with minor feldspar and lithic fragments; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
910	920	0	0	0	80	20	0	red with minor pink-orange and green siltstone with sandstone; sandstone is fine-grained and consists of quartz, feldspar, and lithic fragments; calcareous; Summerville Formation?
920	930	0	0	0	50	50	0	" red, pink-orange, and green fine to coarse-grained sandstone
930	940	0	0	0	50	50	0	red, pink-orange, and tan with trace green and brown very fine-grained sandstone and siltstone; calcareous
940	950	0	0	0	50	50	0	"
950	960	0	0	0	10	90	0	red and pink-orange with minor green fine- to medium-grained sandstone with minor siltstone and mudstone; trace pyrite; slightly calcareous
960	970	0	0	0	50	50	0	brown-red mudstone, green siltstone, and orange-pink sandstone; sandstone is poorly sorted and consists of quartz, feldspar, mafic minerals, and lithic fragments; trace pyrite; slightly calcareous
970	980	0	0	0	50	50	0	"
980	990	0	0	0	10	90	0	red and pink-orange with minor green fine- to medium-grained sandstone with minor siltstone and mudstone; trace pyrite; slightly calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
990	1000	0	0	0	20	80	0	pink-gray, tan, red, pink-orange, white, and green siltstone, mudstone, and sandstone; sandstone is fine- to medium-grained and consists dominantly of quartz with feldspar and mafic minerals; slightly calcareous
1000	1010	0	0	0	50	50	0	red-brown, pink-orange, and green mudstone, siltstone, and sandstone; sandstone is fine to coarse grained and consists of quartz, feldspar, lithic fragments, chert, and mafic minerals; slightly calcareous
1010	1020	0	0	0	80	20	0	brown siltstone with pink-orange fine-grained sandstone; slightly calcareous
1020	1030	0	0	0	25	75	0	red-orange very fine- to fine-grained sandstone and siltstone; sandstone consists of quartz, feldspar, lithic fragments, and mafic minerals; Entrada Sandstone?
1030	1040	0	0	0	25	75	tr	pink-orange and red-orange sandstone and siltstone with trace limestone; sandstone is fine-grained and consists of quartz, feldspar, and mafic minerals; trace gypsum; slightly calcareous
1040	1050	0	0	0	25	75	tr	“

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1050	1060	0	0	0	5	95	tr	red-orange and trace green siltstone and very fine- to fine-grained sandstone composed of quartz, feldspar, lithic fragments, and mafic minerals; trace limestone; calcareous
1060	1070	0	0	0	5	95	tr	“
1070	1080	0	0	0	5	95	tr	“
1080	1090	0	0	0	5	95	tr	“
1090	1100	0	0	0	5	95	tr	“
1100	1110	0	0	0	10	90	tr	orange-red, brown-red, and minor green mudstone, sandy mudstone, and fine-grained sandstone; trace limestone; calcareous
1110	1120	0	0	0	2	98	0	“ no limestone
1120	1130	0	0	0	10	90	0	“
1130	1140	0	0	10	20	70	0	brown-red and pink-orange with minor green sand, mudstone, sandy mudstone, and fine-grained sandstone; sandstone is fine- to medium-grained and consists dominantly of quartz with minor feldspar and mafic minerals; trace limestone; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1140	1150	0	0	0	20	80	0	pink-tan, red-brown, and green siltstone and sandstone; sandstone is fine- to medium-grained and consists dominantly of quartz with minor feldspar and lithic fragments; calcareous
1150	1160	0	0	50	20	30	0	red-brown, pink-orange, green, and gray sand, sandstone, mudstone, and sandy mudstone; sandstone is fine to coarse-grained and consists of quartz, feldspar, lithic fragments, and chert; trace pyrite; calcareous
1160	1170	0	0	0	50	50	tr	pink-tan, red-brown, and green siltstone and sandstone; sandstone is fine- to medium-grained and consists dominantly of quartz with minor feldspar and lithic fragments; trace limestone calcareous
1170	1180	0	0	0	50	50	tr	“
1180	1190	0	0	0	40	60	tr	“
1190	1200	0	0	0	50	50	0	“ no limestone
1200	1210	0	0	0	50	50	0	“
1210	1220	0	0	0	50	50	0	“
1220	1230	0	0	0	50	50	tr	“ trace limestone
1230	1240	0	0	0	50	50	tr	“

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1240	1250	0	0	25	50	25	0	green-gray, pink-orange, and red-brown sand and sandstone composed of quartz, feldspar, and mafic minerals with siltstone and mudstone; trace pyrite; calcareous
1250	1260	0	0	0	50	50	tr	green-gray, pink-orange, and red-brown sandstone composed of quartz, feldspar, and mafic minerals with siltstone and mudstone; trace limestone; trace pyrite; calcareous
1260	1270	0	0	0	10	90	tr	pink-orange and gray with minor red-brown and green siltstone and mudstone with sandstone; sandstone is fine- to medium-grained and consists dominantly of quartz with minor feldspar and lithic fragments; trace limestone; calcareous
1270	1280	0	0	0	10	90	tr	“
1280	1290	0	0	0	10	90	tr	“
1290	1300	0	0	0	10	90	0	“ no limestone
1300	1310	0	0	0	50	50	0	green-gray, pink-orange, and red-brown sandstone composed of quartz, feldspar, and mafic minerals with siltstone and mudstone; trace pyrite; calcareous
1310	1320	0	0	0	tr	100	0	orange-red fine-grained sandstone composed of quartz, feldspar, lithic fragments, and mafic minerals; trace siltstone; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1320	1330	0	0	0	tr	100	tr	" trace limestone
1330	1340	0	0	0	100	tr	tr	brown, orange, and green mudstone and sandy mudstone with trace sandstone and limestone; Carmel Formation?
1340	1350	0	0	0	100	tr	0	" no limestone
1350	1360	0	0	0	75	25	0	orange, brown, green mudstone and siltstone with minor fine-grained sandstone; trace black chert; calcareous
1360	1370	0	0	0	10	90	tr	light orange-pink and minor white quartz-rich fine to medium sandstone with minor siltstone; trace limestone; black chert; non calcareous; contact between Carmel and Navajo Sandstone?
1370	1380	0	0	0	20	80	0	" no limestone
1380	1390	0	0	0	10	90	0	light orange-pink and minor red quartz-rich fine- to medium-grained sandstone with minor siltstone; non calcareous
1390	1400	0	0	0	5	95	0	"
1400	1410	0	0	0	10	90	0	" pink yellow
1410	1420	0	0	0	5	95	tr	" trace limestone
1420	1430	0	0	0	5	90	5	yellow-white quartz-rich fine- to medium-grained sandstone with minor siltstone; trace limestone; calcareous

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1430	1440	0	0	0	0	100	0	yellow-white quartz-rich fine- to medium-grained sandstone; non calcareous
1440	1450	0	0	0	0	75	25	yellow-white quartz-rich fine- to medium-grained sandstone with minor gray limestone; non calcareous
1450	1460	0	0	80	0	0	20	yellow-white fine to medium quartz-rich sand and gray limestone; calcareous
1460	1470	0	0	100	0	0	tr	" trace limestone
1470	1480	0	0	100	0	0	tr	"
1480	1490	0	0	100	0	0	tr	"
1490	1500	0	0	100	0	0	tr	"
1500	1510	0	0	100	0	0	0	"
1510	1520	0	0	100	0	0	0	yellow-white quartz-rich fine to medium sand; non calcareous
1520	1530	0	0	100	0	0	tr	" trace limestone
1530	1540	0	0	100	0	0	0	" no limestone
1540	1550	0	0	100	0	0	0	"
1550	1560	0	0	100	0	0	0	"
1560	1570	0	0	100	0	0	0	"
1570	1580	0	0	100	0	0	0	"
1580	1590	0	0	100	0	0	0	"
1590	1600	0	0	100	0	0	0	"

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Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1600	1610	0	0	100	0	0	0	light pink-orange quartz-rich fine to medium sand; non calcareous
1610	1620	0	0	100	0	0	0	“
1620	1630	0	0	100	0	0	0	“
1630	1640	0	0	100	0	0	0	“
1640	1650	0	0	100	0	0	tr	“ trace limestone
1650	1660	0	0	100	0	0	0	“ no limestone
1660	1670	0	0	100	0	0	0	“
1670	1680	0	0	100	0	0	0	“
1680	1690	0	0	100	0	0	0	“
1690	1700	0	0	100	0	0	0	“
1700	1710	0	0	100	0	0	0	“
1710	1720	0	0	98	0	0	2	pink-orange and minor gray quartz-rich fine to medium sand and limestone; slightly calcareous
1720	1730	0	0	100	0	0	0	“ no limestone; non calcareous
1730	1740	0	0	100	0	0	0	“
1740	1750	0	0	100	0	0	0	“
1750	1760	0	0	100	0	0	0	“
1760	1770	0	0	100	0	0	0	“
1770	1780	0	0	100	0	0	0	“
1780	1790	0	0	100	0	0	0	orange quartz-rich fine to medium sand; non calcareous

*unc=unconsolidated; ms=mudstone, sandy mudstone, and siltstone; ss=sandstone; ls=limestone

Depth Range (feet)		**PERCENTAGES**						**COMMENTS**
		unc*	disaggregated		consolidated			
		sand/ gravel	ms*	ss*	ms*	ss*	ls*	
1790	1800	0	0	100	0	0	0	orange quartz-rich fine to medium sand; non calcareous
1800	1810	0	0	100	0	0	0	“
1810	1820	0	0	50	0	50	0	pink-gray quartz-rich fine to medium sand and sandstone; non calcareous
1820	1830	0	0	100	0	0	0	pink quartz-rich fine to medium sand; non calcareous
1830	1840	0	0	100	0	0	0	“
1840	1850	0	0	50	0	50	0	red-pink quartz-rich fine to medium sand and sandstone; non calcareous
1850	1860	0	0	100	0	0	0	pink quartz-rich fine to medium sand; non calcareous
1860	1870	0	0	100	0	0	0	“
1870	1880	0	0	100	tr	0	0	pink-yellow-white quartz-rich fine to medium sand with trace red siltstone; non calcareous
1880	1890	0	0	100	tr	0	0	“
1890	1900	0	0	100	tr	0	0	“
1900	1910	0	0	0	90	10	0	red and minor pink siltstone and fine-grained sandstone composed of quartz, feldspar, and lithic fragments; Kayenta Formation?
1910	1918	0	0	0	50	50	0	“

*unc=unconsolidated; ms=mudstone, sandy mudstone, and siltstone; ss=sandstone; ls=limestone